







# VC-3 FRAMES CONTAINED IN AU-4

$$(C-3) + (VC-3 \text{ POH}) + (TU-3 \text{ POINTER}) = VC-4$$

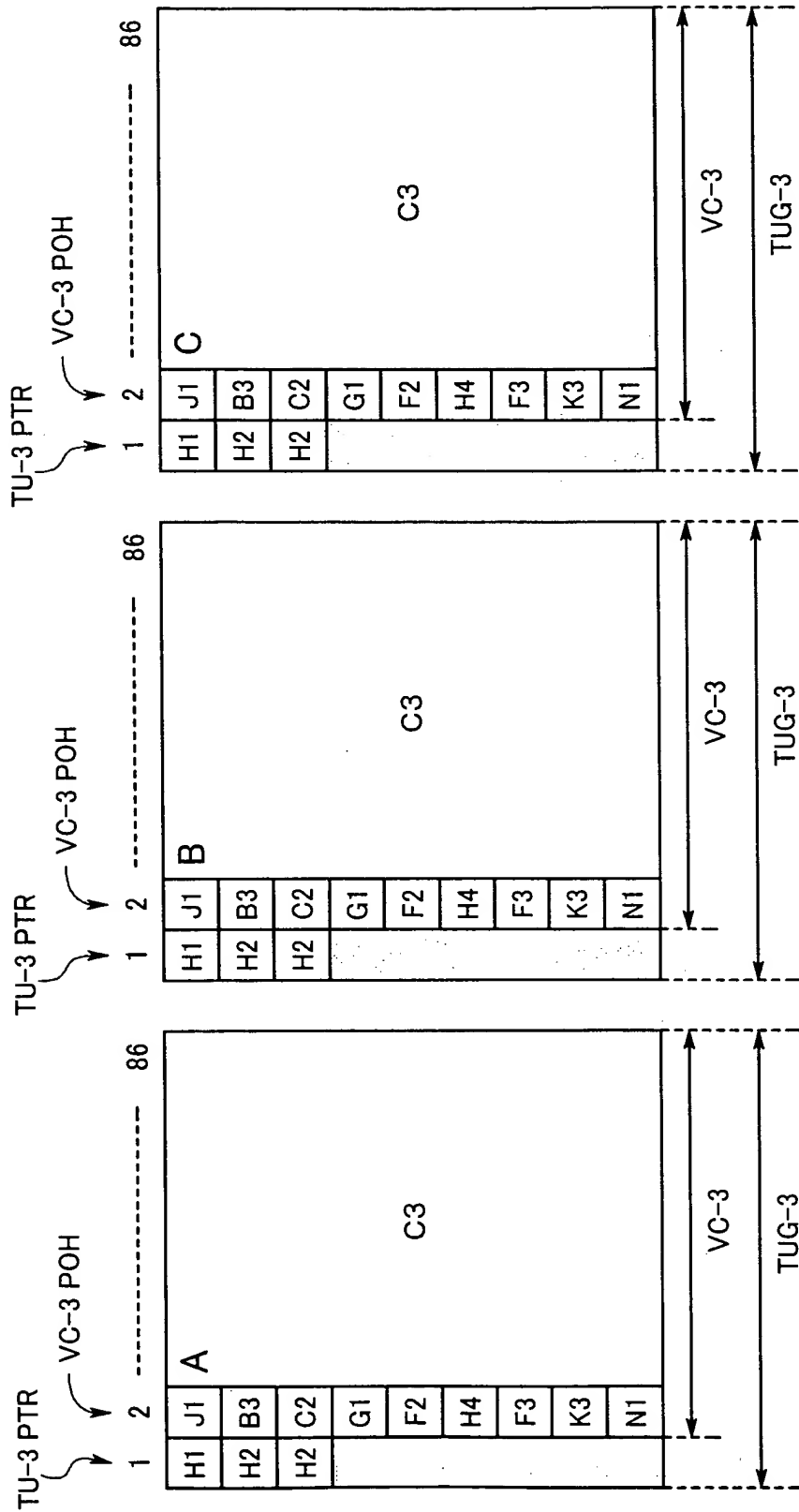


FIG. 4



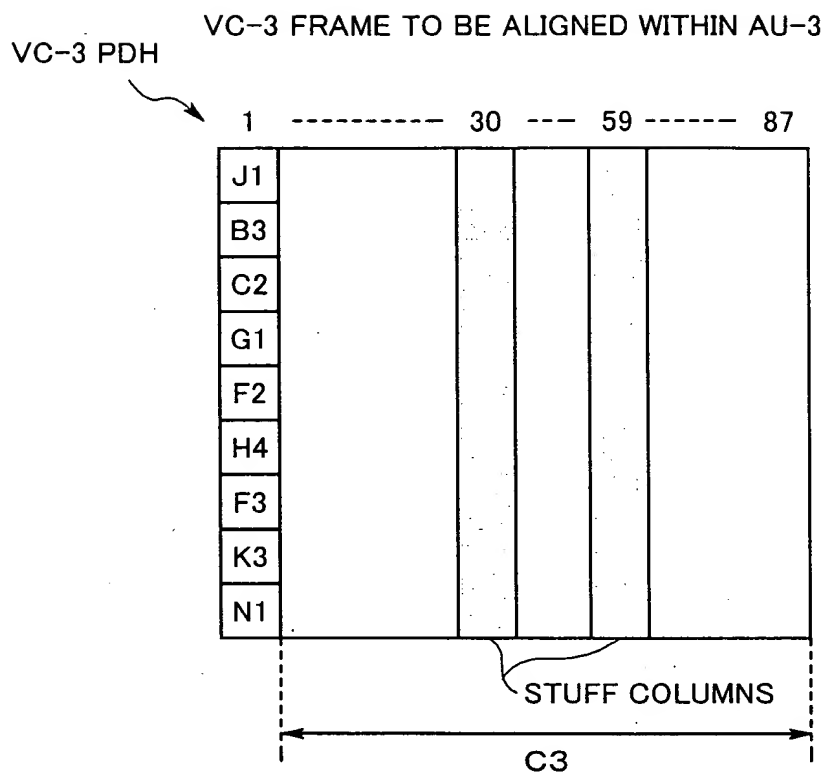


FIG. 6

09753350 423990

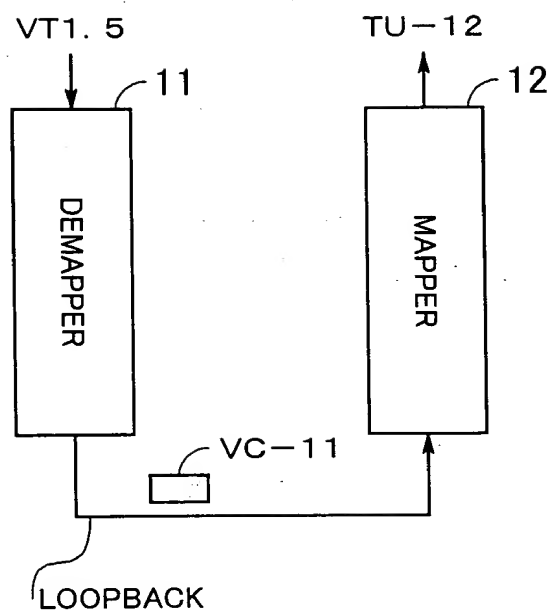
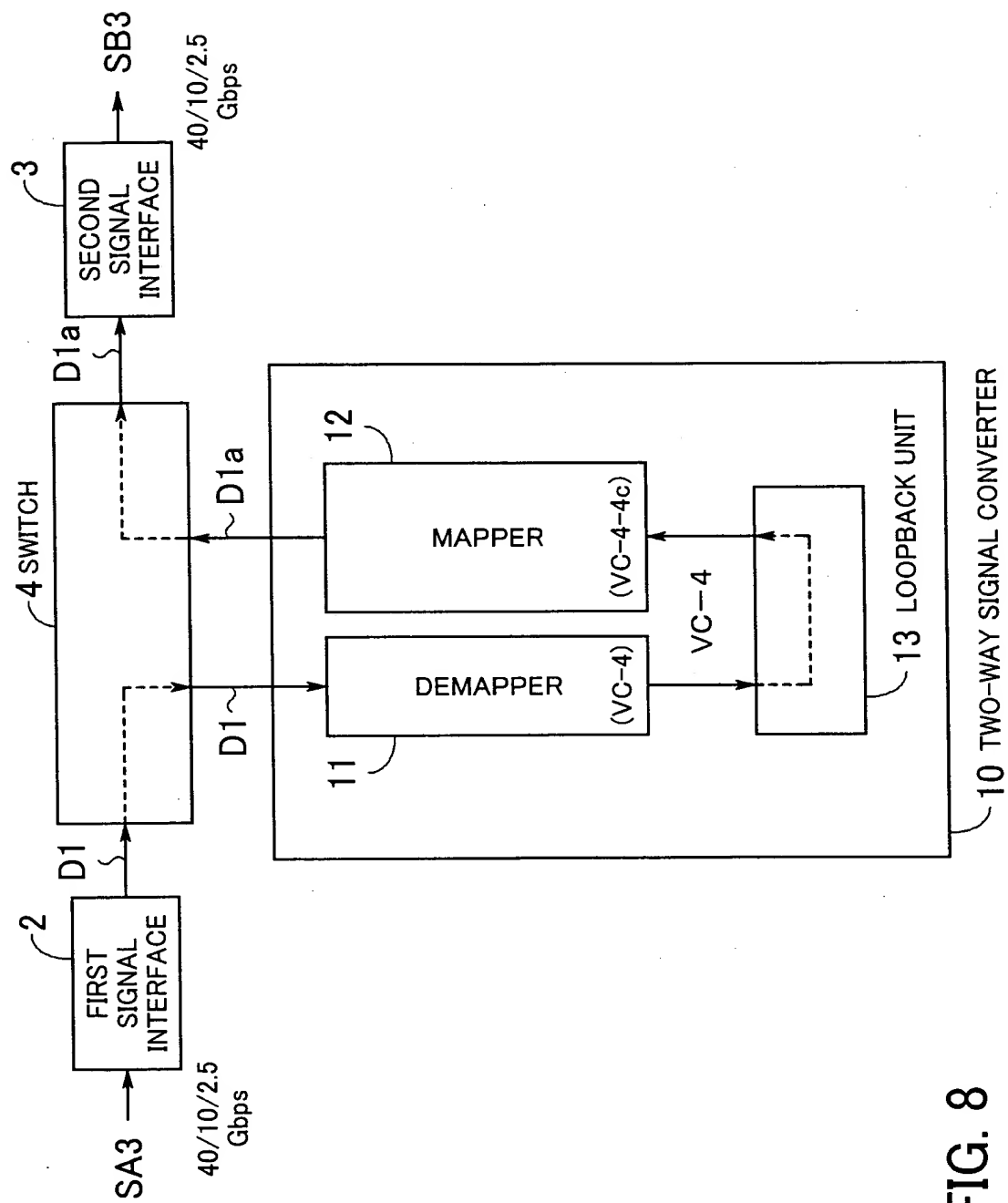


FIG. 7





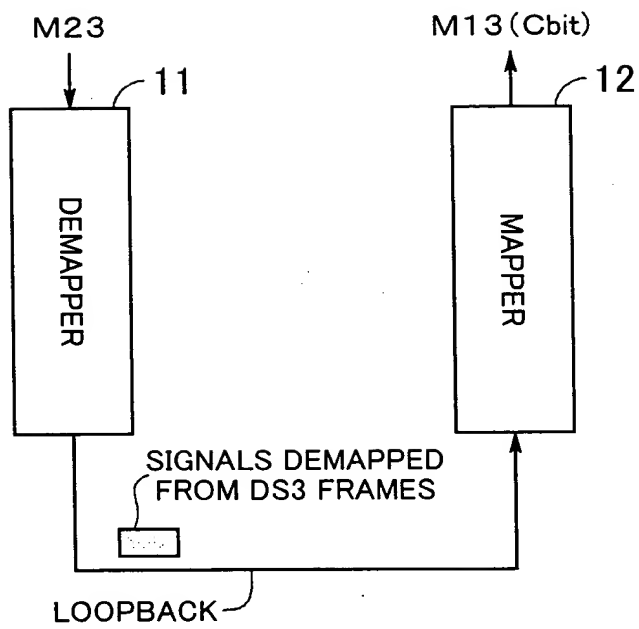


FIG. 9

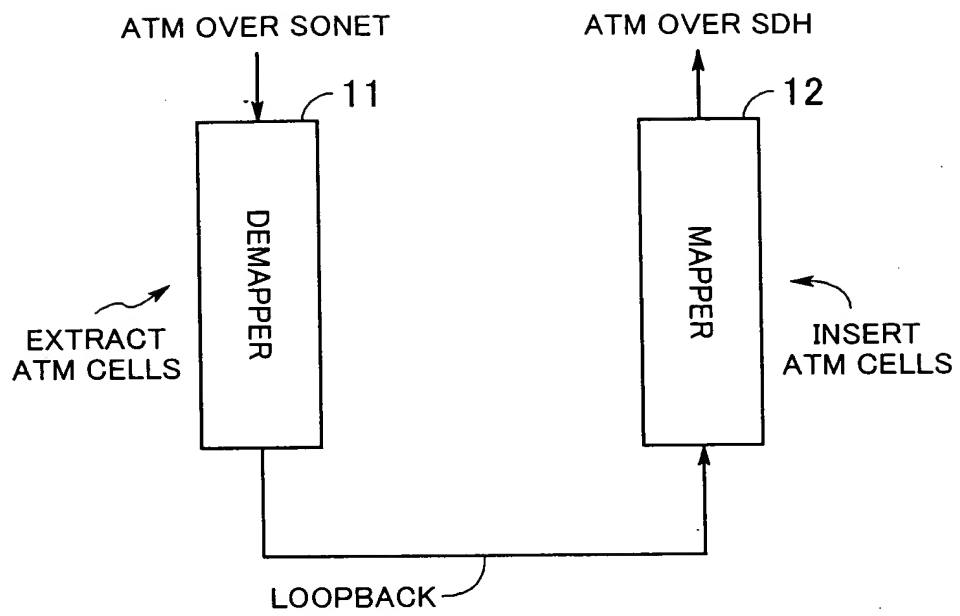


FIG. 10

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graph LR
    ATM150[ATM-150] --> DEMAPPER[DEMAPPER 11]
    DEMAPPER --> MAPPER[MAPPER 12]
    MAPPER --> ATM600[ATM-600]
    DEMAPPER -- LOOPBACK --> ATM25[ATM-25]
    ATM25 --> MAPPER
  
```

FIG. 11

09:53:30.42900

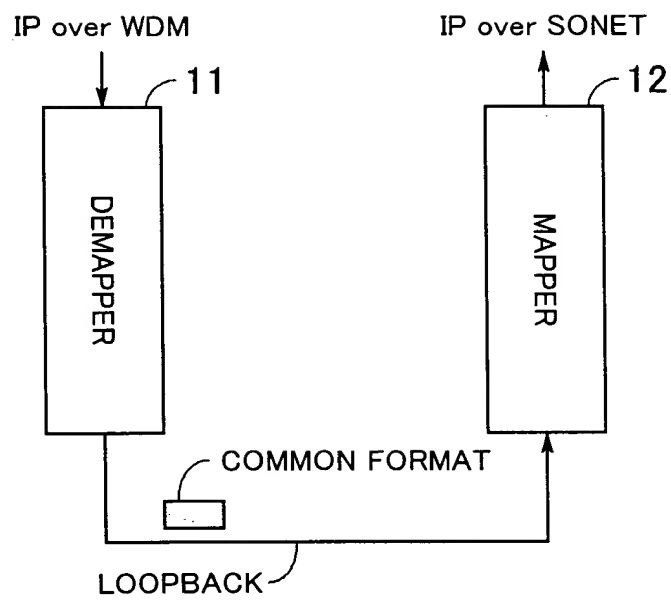


FIG. 12



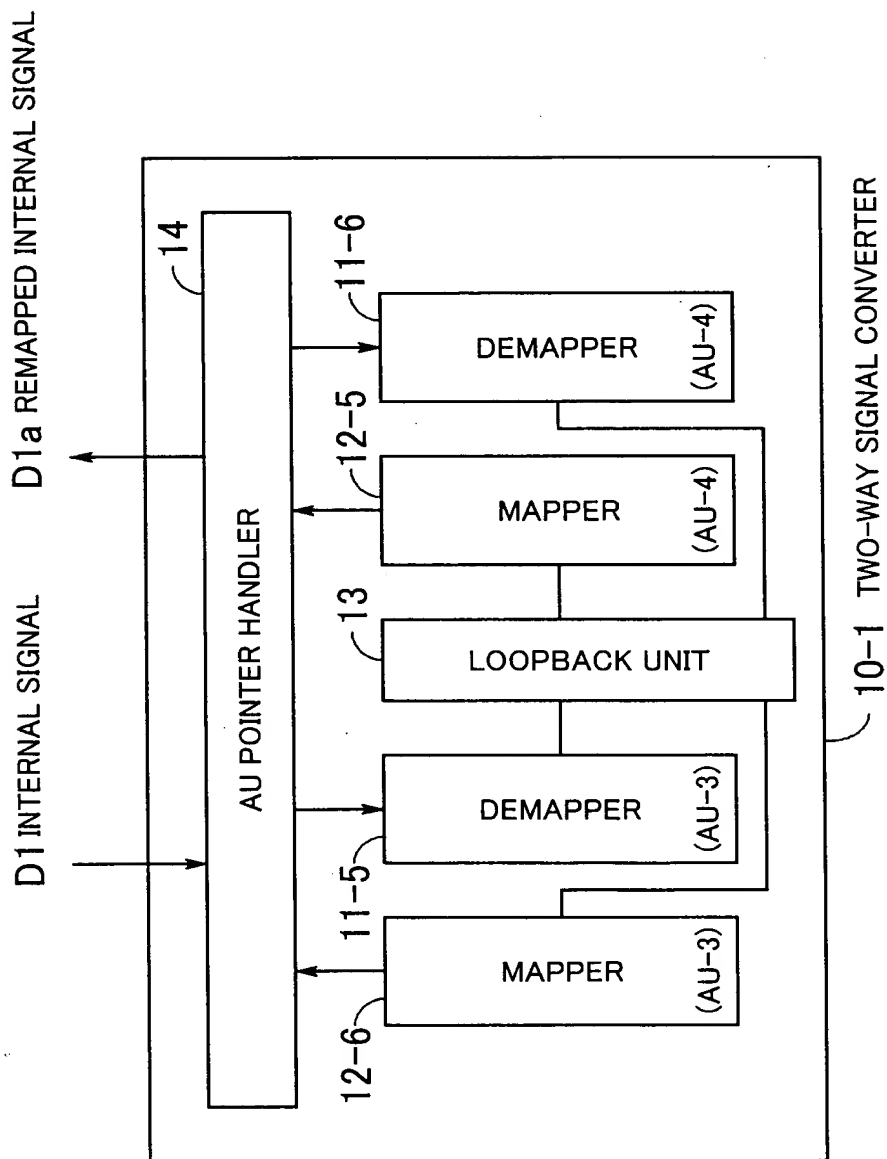


FIG. 14

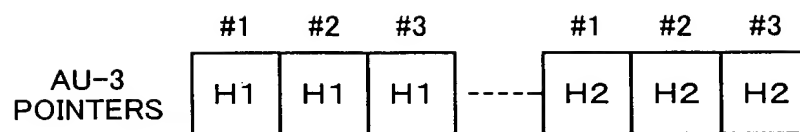


FIG. 15

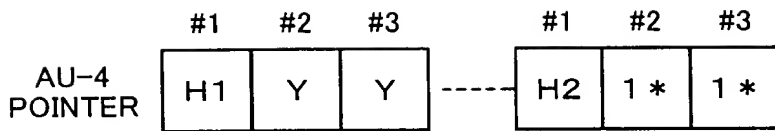


FIG. 16



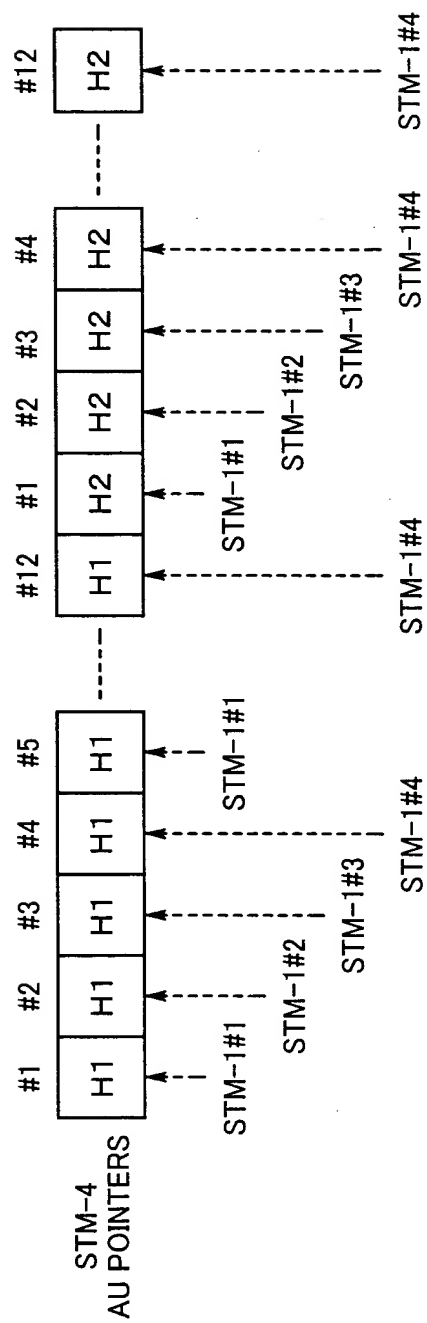


FIG. 17

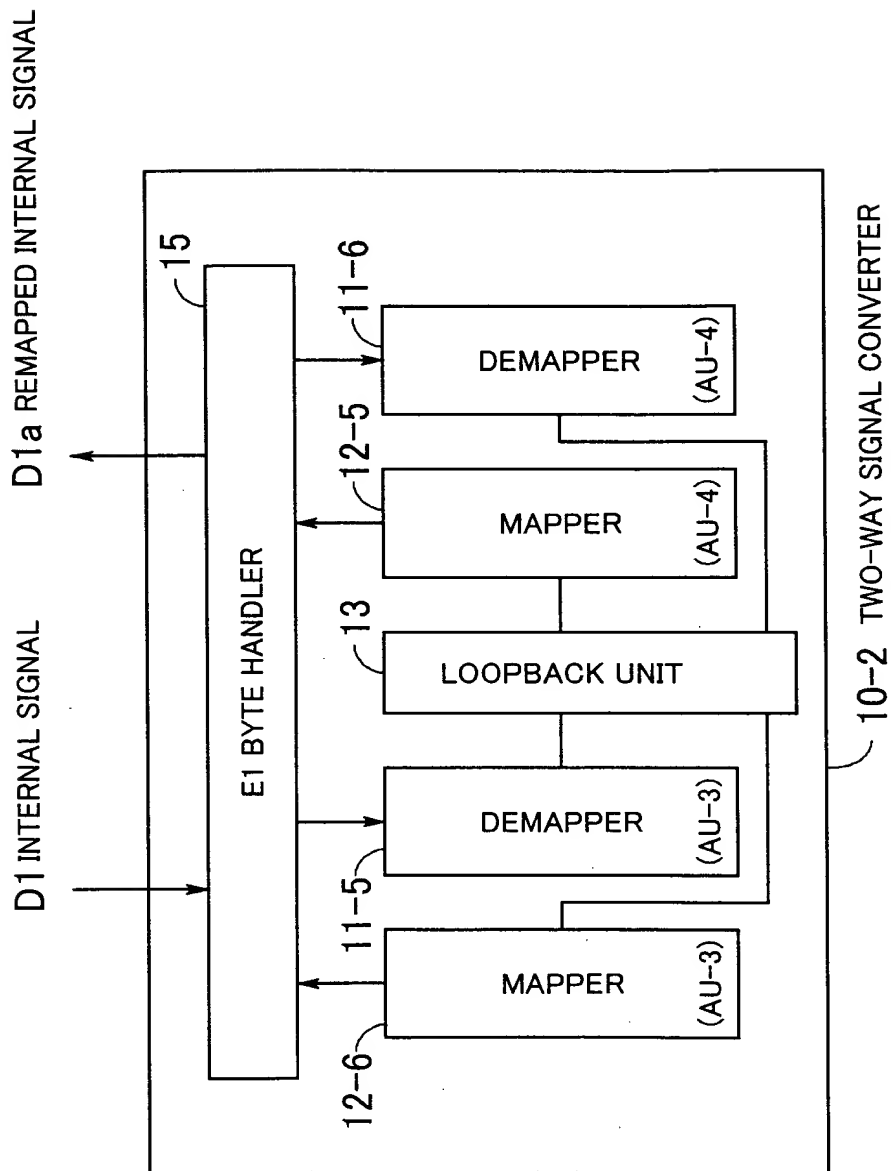


FIG. 18

STM-4 FRAME OVERHEAD FORMAT USED INSIDE THE UNIT

#1	#2	#3	#12	#1	#2	#3	#12	#1	#2	#3	#12
A1	A1	A1	A1	A2	A2	A2	A2	—	—	—	—
B1	—	—	—	E1	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
H1	H1	H1	H1	H2	H2	H2	H2	H3	H3	H3	H3
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—

— :ALL 0

FIG. 19

BIT#	DEFINITION	STATE
1, 2	UNUSED	0
3	AU-4-16c (STS-48c)	1: CONCATENATED
4	AU-4-4c (STS-12c)	1: CONCATENATED
5	AU-4(STS-3c) #4	1: CONCATENATED
6	AU-4(STS-3c) #3	1: CONCATENATED
7	AU-4(STS-3c) #2	1: CONCATENATED
8	AU-4(STS-3c) #1	1: CONCATENATED

FIG. 20

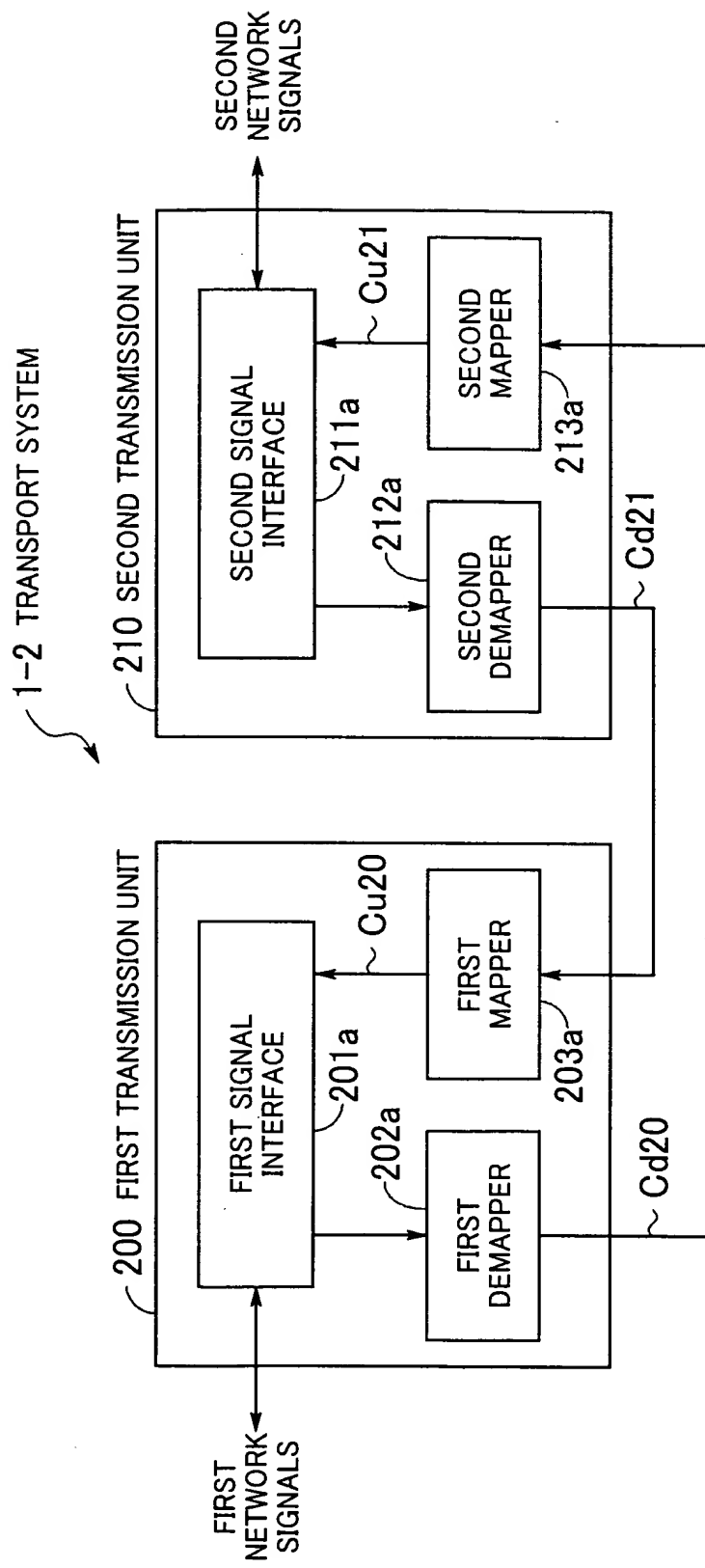


FIG. 21

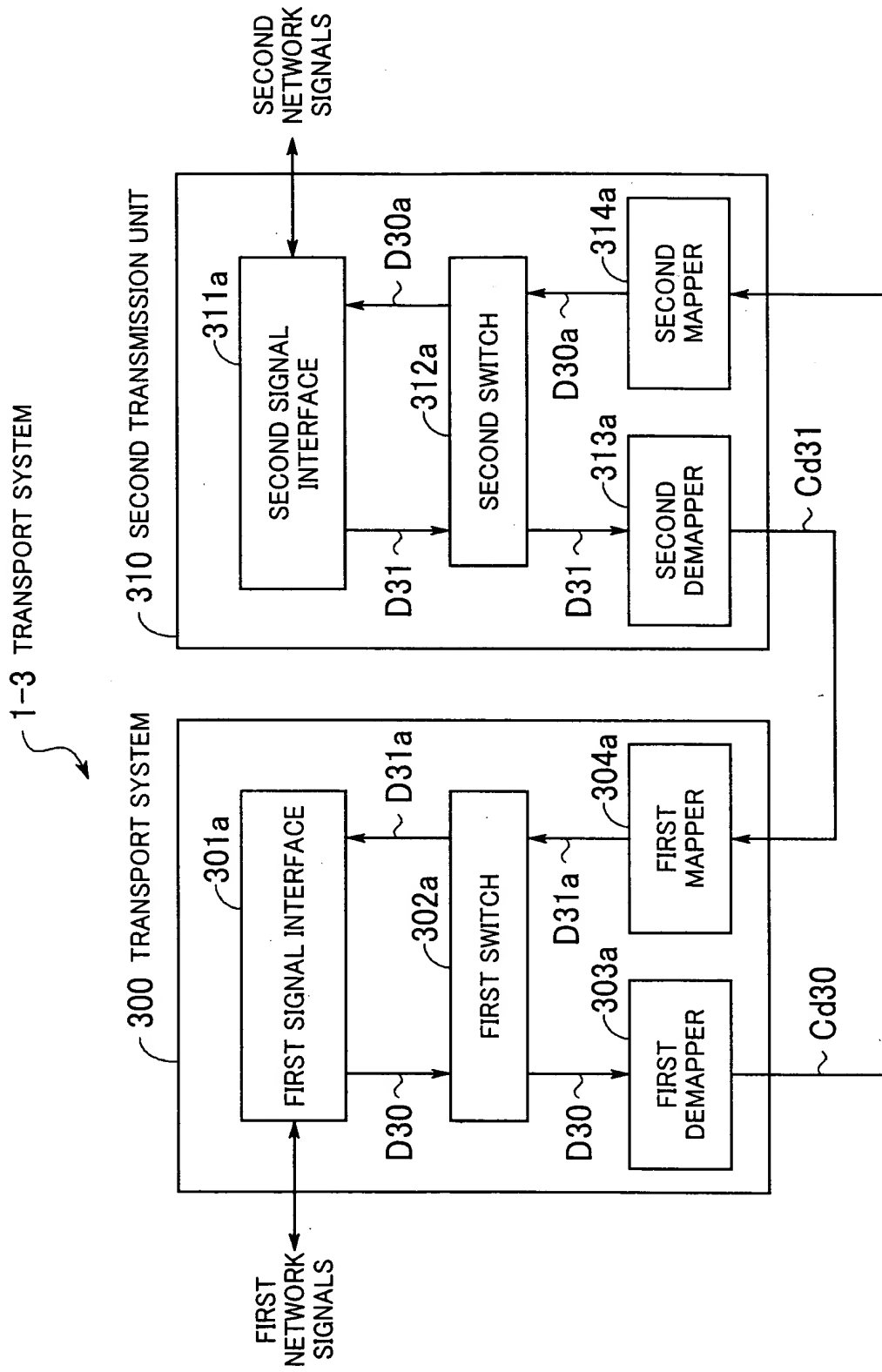


FIG. 22

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graph TD; START([START]) --> S1[S1: PRODUCE LOWER-LEVEL SIGNALS THROUGH DOWNWARD CONVERSION]; S1 --> S2[S2: LOOP BACK PRODUCED LOWER-LEVEL SIGNALS]; S2 --> S3[S3: PRODUCE HIGHER-LEVEL SIGNALS THROUGH UPWARD CONVERSION]; S3 --> END([END]);
```

The flowchart illustrates the process flow for the signal processing method. It begins with a START terminal, followed by step S1: PRODUCE LOWER-LEVEL SIGNALS THROUGH DOWNWARD CONVERSION. This leads to step S2: LOOP BACK PRODUCED LOWER-LEVEL SIGNALS, which then leads to step S3: PRODUCE HIGHER-LEVEL SIGNALS THROUGH UPWARD CONVERSION. The process concludes at an END terminal.

FIG. 23

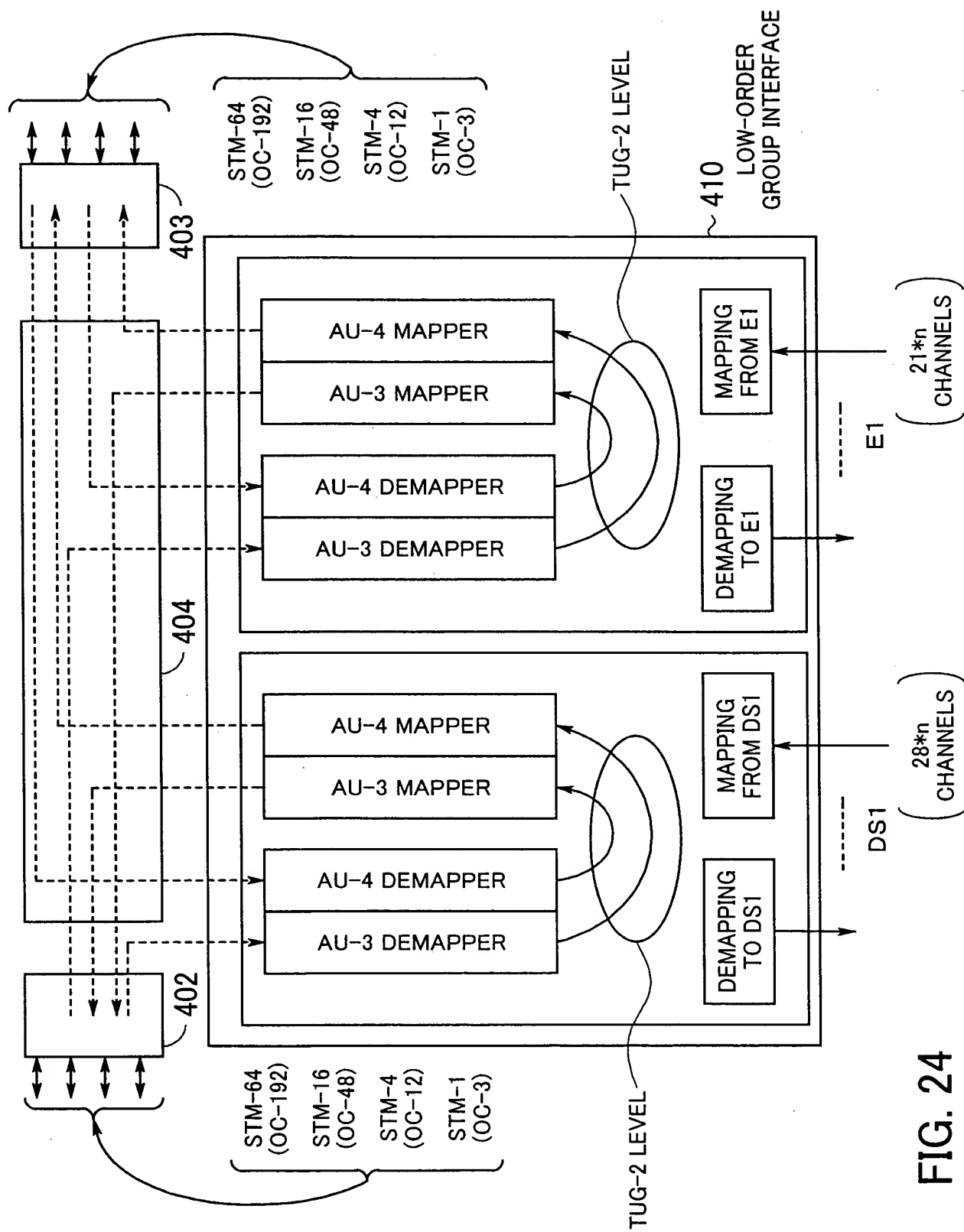


FIG. 24



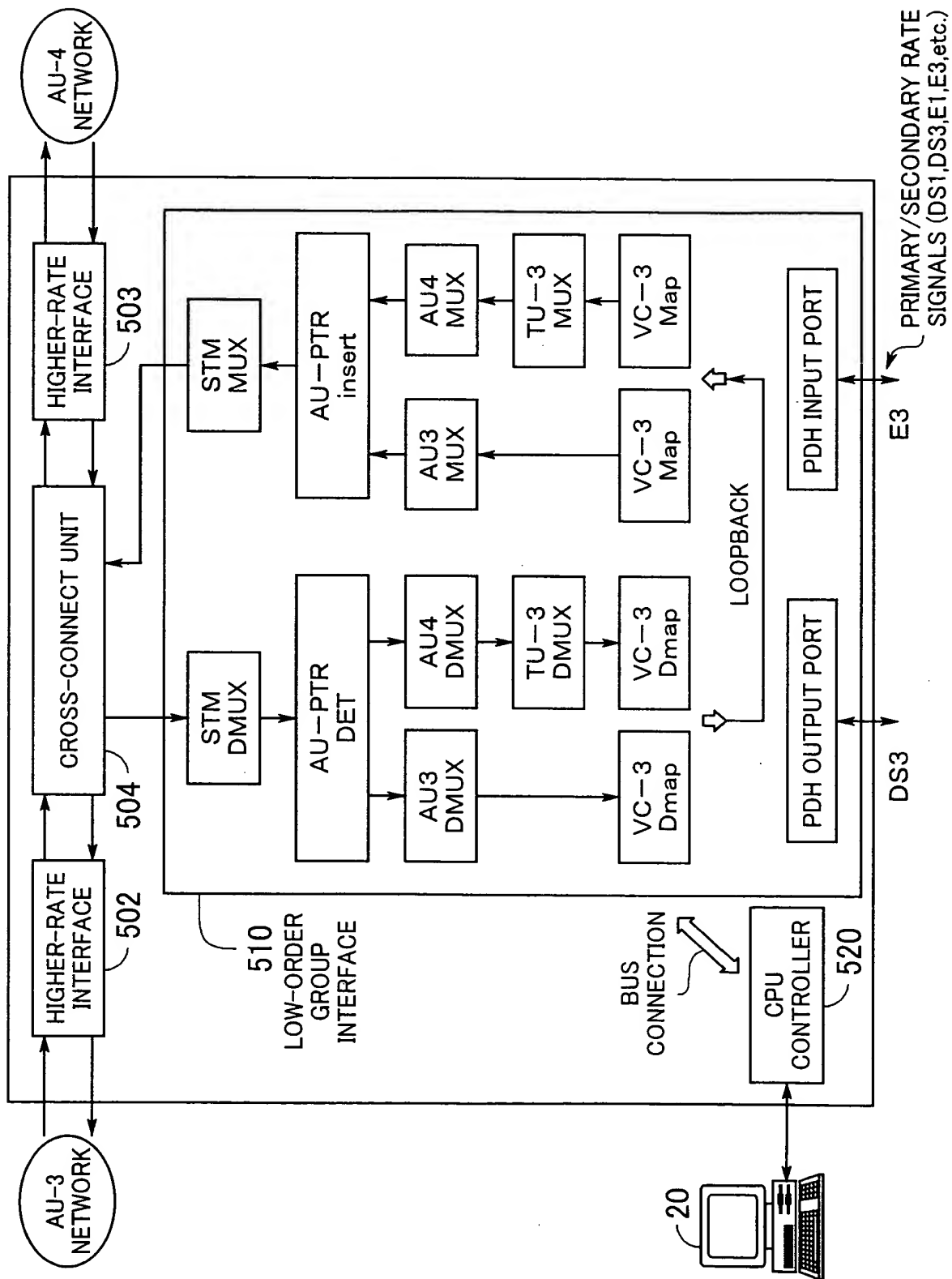


FIG. 25

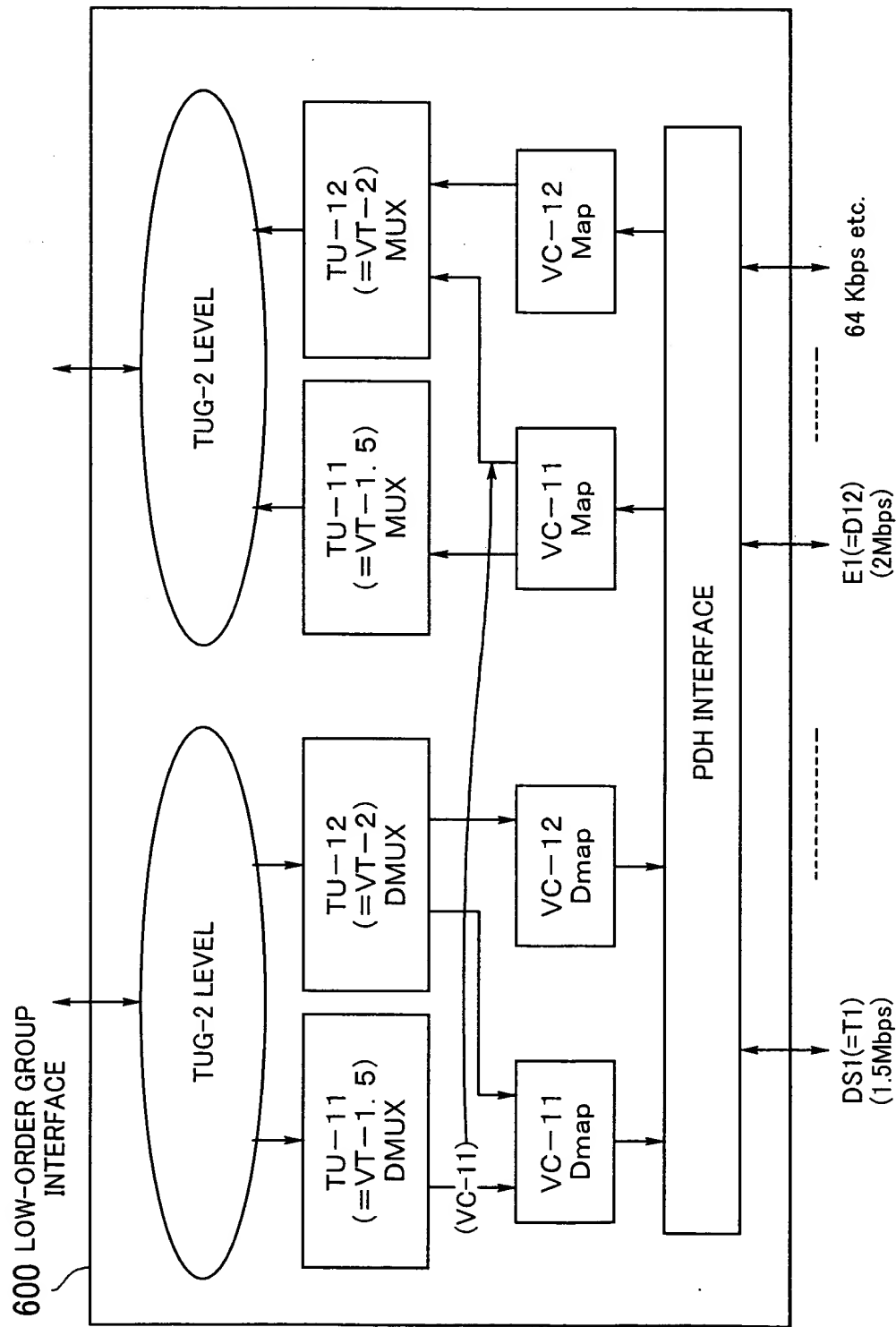


FIG. 26

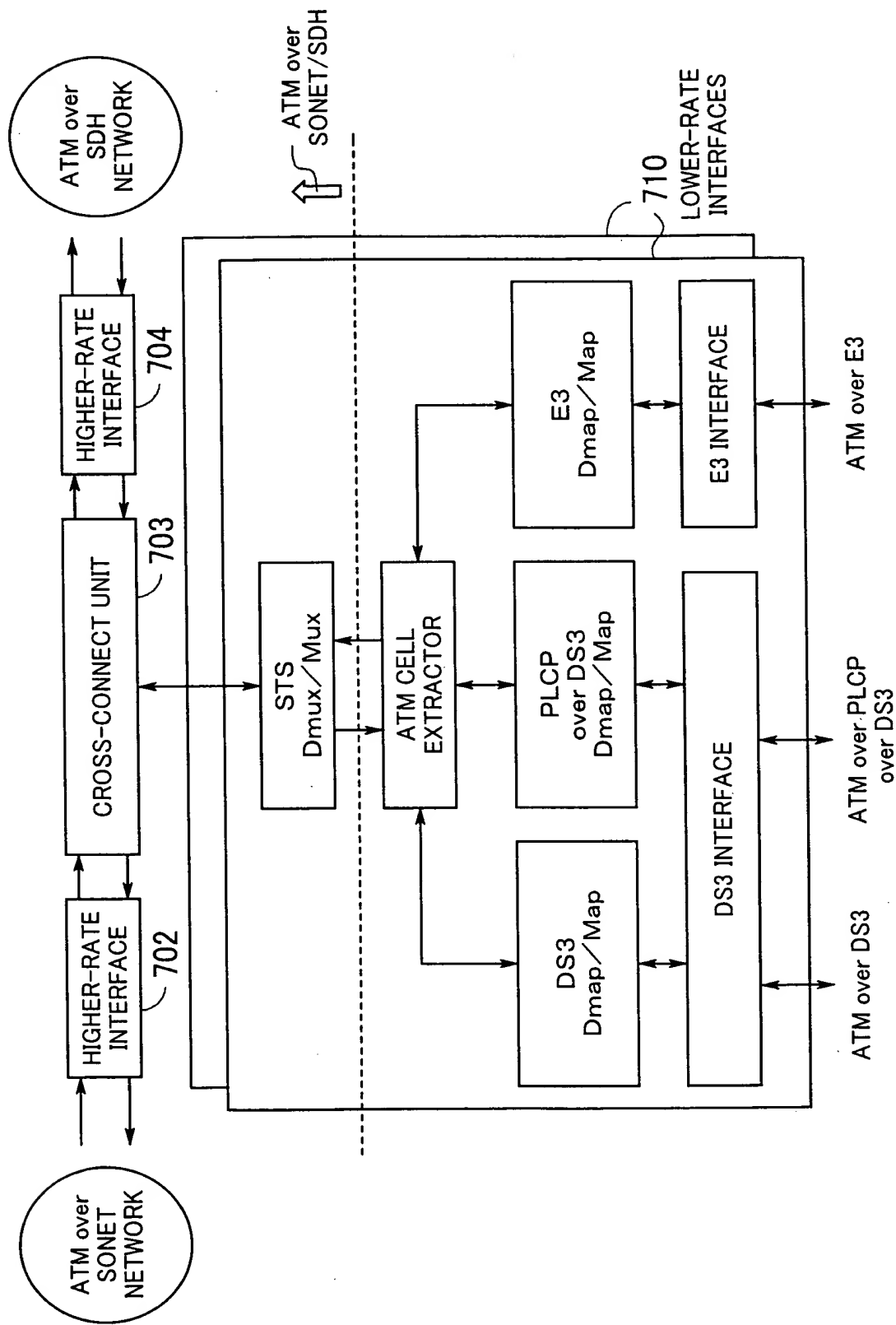


FIG. 27

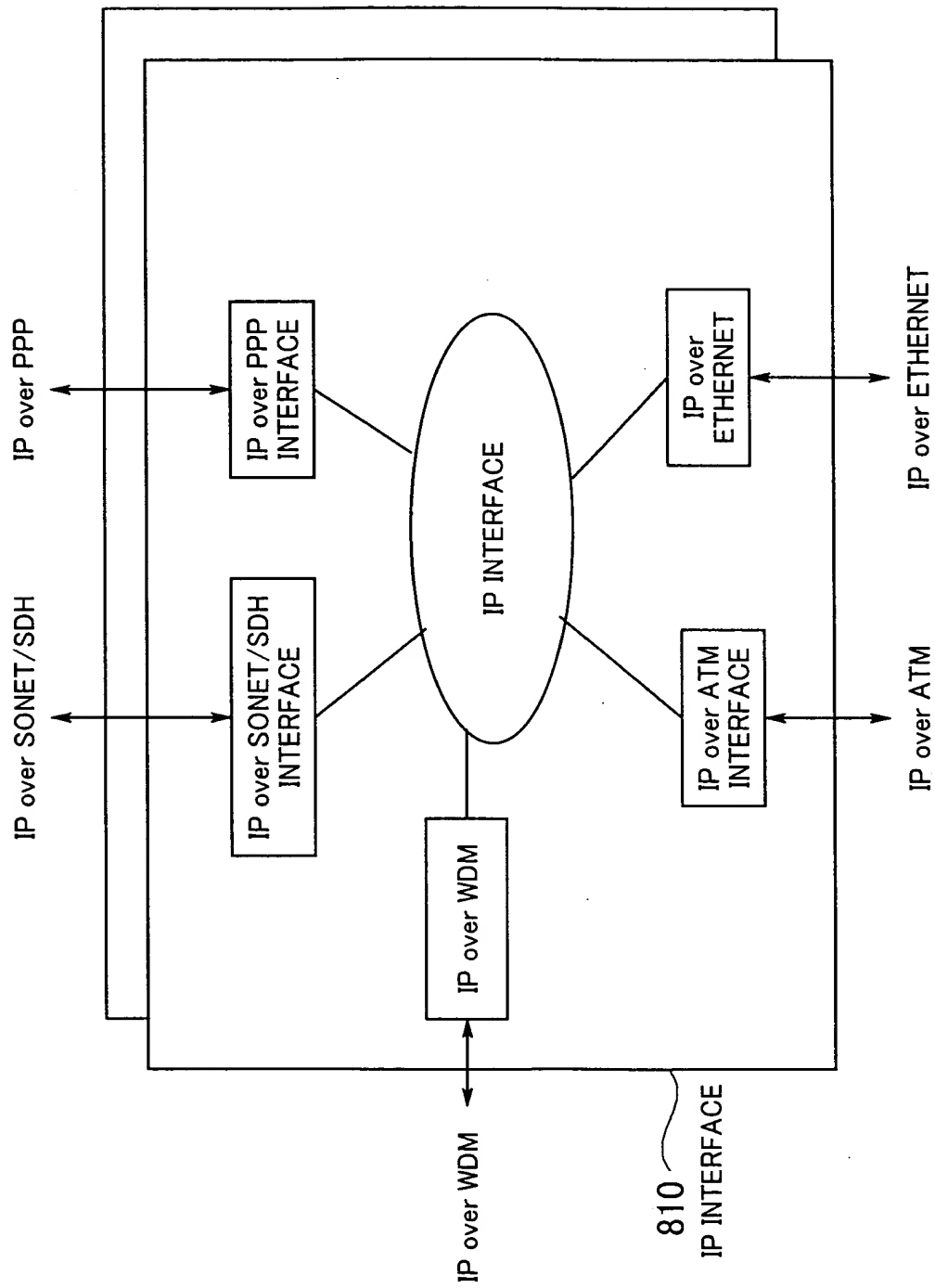


FIG. 28